Preliminary Data Status for SLR Vulnerability Assessment

	Asset		Infra-	Society	Natural	Data	
	Inventory	Lavan	structure	and	Resources	Status	
	Complete	Layer	Group	Economy	nesources	Status	Agency Data Source
Infrastructure							
These GIS layers will be	•	Schools (K-16)	Х			1	Dept. of Education
used to assess the	•	Fire and Rescue stations	Х	Х		1	US Homeland Security-HSIP Freedom
exposure of facilities	•	Police stations	X	Х		1	
and infrastructure that	•	Communication/cell towers	Х	Х		1	Federal Communications Commission
are critical to residents	0	Telephone switching stations	X			0	
of Delware on a daily	0	Roads	X	X		1	DelDOT Centerlines
basis and in on an	0	Bridges	X	Х		1	DelDOT Centerlines
emergency basis.	0	Bus Routes	X			1	DART
		Airports	X			1	HSIP Freedom (DHS); DelDOT - Aviation
		Railroads - Stations/Lines/Holding	X			1	HSIP Freedom (DHS)-Tranist Lines and Stations
	0	Ports and Ferry Terminals	Х	Х		0	
		sewer pump stations	^	^		U	Kent County Engineering, New Castle County Special Sercvies and
		sewer pump stations	Х	Х	Х	1	Sussesex County GIS
		sewer lines					Kent County Engineering, New Castle County Special Sercvies (no
		sewer mies	Х	Х	Х	1	Sussex data)
		sewer treatment facilities (WWTP)					Kent County Engineering, New Castle County Special Sercvies (no
		sewer creatment radimites (17 17 17)	Х	Х	Х	1	Sussex data)
	0	CSOs	Х			0	Subserve dutay
	Ö	spray irrigation fields	X			0	
	Ö	community treatment facilities	X			0	
	0	public drinking water wells	Х	Х		0	DNREC-Water Resources
	O	Electric generation/distribution	Х			2	
		Hospitals and medical facilities	Х	Х		1	HSIP Freedom (DHS)
	•	Emergency Operation Centers	Х	Х		1	DEMA
	0	Emergency Shelters	Х			2	UofD - John Laznik
	•	Evacuation Routes	Х			1	DelDOT
	0	Pipelines	Х			0	
	0	Water Supply Intakes	Х			0	
	0	School Bus Storage	Х			0	
	0	DelDOT Maintenance Yards	Х			0	
		Navigation Aids	Х			1	HSIP Freedom (DHS)
	•	Correctional Facilities	Χ			1	
	•	National Guard Facilities	X			1	HSIP Freedom (DHS)
		Day Care centers	Х			1	
	0	Senior Centers	Х			2	UofD - John Laznik
	0	Nursing Homes	Х			2	UofD - John Laznik
		Refineries	X	Х		1	
		Factories	Х	Х		1	
	•	SIRB (superfund, HSCA)	X	Х		1	DNREC mapservice
		Leaking Underground Storage Tanks	Х			1	DNREC mapservice
	_						
		Underground Storage Tanks	X			1	DNREC mapservice
		Brownfields	Х			1	DNREC mapservice
	0	Waste Processing Plants/Recycling	Х	Х		2	DNREC mapservice
		Facilities	V			1	DAIDECi
		Salvage Yards	X			1	DNREC mapservice
		Haz Waste Generator Landfills	X	X		1	DNREC mapservice DNREC network shares
		Marinas and Boat Launches	X	^		0	DINNEC HELWOIK SHAFES
	ŏ	Dams and Spillways	X	X		0	
	Ö	Dikes, Dams and Levees	X	^		1	
	Ŏ	Tide Gates	X			2	
	Ö	Tide Gauges	X			2	
	0	Public Utilities	X	Х		0	
	Ŏ	Private Utilities	X	X		0	
	Ŏ	Wind Generation	X			0	
	Ö	Cemetaries	X			0	
	Ŏ	Government Buildings	X			1	
		- U					
'				•			

These of Contrast of the Contr		Asset Inventory Complete	Layer	Infra- structure Group	Society and Economy	Natural Resources	Data Status	Agency Data Source
These Gib Javen will be used to associate the proposed of Jestice States - Person above or the proposed of Jestice States - Person in certain and general proposed of Jestice States - Person (Jestice States) - Person in certain and general proposed of Jestice States - Person (Jestice States) - Person (Je					,			
Include protection	These GIS layers will be	•			X		1	NOAA STICS - 2000 Census
population and the common sort for the part of the common sort for	exposure of sensitive populations and the	0						NOAA STICS - 2000 Census
Bolick, M. Asian, Parkin, Other, 20 Household Language - Persons 5 and over (regital, Againton, Other) Clocation Attainment - Persons 22 and over lens than 22 fb. (high) School Grad, Some			Population - Persons (Total, white,		^		1	NOAA STICS - 2000 Census
Source (English, Sanishin, Chrer) Source (State 12b), (light) and over (Less ther 12b), (light) and over (Less ther 12b), (light) stringe/Association Expressed Source (Less ther 12b), (light) stringe/Association Expressed Source (Less ther 12b), (light) Association (Less there) Association (Less		•			Х		1	
and ower (Less than 12th, High School Crast, Some oilege/Associates Degree, Buchelox/Crastulates Degree Degree (Less September 2) NOAASTICS - 2000 Cereuse Degree (Less September 2)		•			Х		1	NOAA STICS - 2000 Census
Housing Units - Owner/Renter Occupied Automobiles - Occupied housing Units with velocia available (1, 2, 3		•	and over (Less than 12th, High School Grad, Some ollege/Associates Degree,		х		1	NOAA STICS - 2000 Census
Occupied Automobile - Occupied housing Units with wholice available (1, 2, 3 or more) NOAASTICS - 2000 Census NOAASTIC		•	Housing Units - Occupancy/Vacancy		×		1	NOAA STICS - 2000 Census
Automobiles Occupied housing Units with whiche Automobile 1, 2, 3 or more) Units with whiche Automobile 1, 2, 3 or more) Housing furits -tousing furits in mobile homes, trailers, others Incomers - Median Household and Per Capita Families w/ Fernale Head & Children Capita Families w/ Fernale Head & Children X 1 NOAA STICS - 2000 Census Families w/ Fernale Head & Children X 1 NOAA STICS - 2000 Census Capita Families w/ Fernale Head & Children X 1 NOAA STICS - 2000 Census Capita Families w/ Fernale Head & Children X 1 NOAA STICS - 2000 Census Capita Families w/ Fernale Head & Children X 1 NOAA STICS - 2000 Census Capita Families w/ Fernale Head & Children X 1 NOAA STICS - 2000 Census Capital Capita		•			х		1	NOAA STICS - 2000 Census
Nousing Units - Housing Units in notice from the common of the common		•	Automobiles - Occupied housing Units with vehicle available (1, 2, 3		Х		1	NOAA STICS - 2000 Census
mobile homes, traillers, others Copita		•	Housing Units -Housing Units in		×		1	NOAA STICS - 2000 Census
Capita Female Head & Children X								NOAA STICS - 2000 Census
Families wy children < 18								NOAA STICS - 2000 Census
Deleware Environmental Justice Communities CIZ Heavy Industrial Sites Land use Land use X		•	< 18					
Communities X								
● Land use X 1 datamal delaware gov Zoning X 0 3 Employment by Economic Sector X 3 Annual Payroll by Sector X 3 Annual Sales X 3 Receipts X 3 Shipments by Sector X 3 Rental Properties X 3 Rental Properties X 3 Amount Destinations X 3 Building Footprints X 3 Built and not built areas X 3 Built and not built areas X 3 Developed and non-developable X 3 Impermiable Surfaces X X 1 Secul Overlay Zones X X 0 Secul Overlay Zones X X 0 Securing Darker Intrusion Areas								DNREC-CZM
Large Employers X			Land use		Х		1	
Employment by Economic Sector Annual Payroll by Sector Annual Payroll by Sector X 3 Receipts X 3 Receipts X 3 Receipts X 3 Rental Properties X 3 Rental Properties X 3 Building Footprints X 3 Build and not built areas X 3 Developed and non-developable Impermiable Surfaces X X 1 Water Franchises X 0 Special Overlay Zones X 0 Current Inundation Areas X 1 Salvaver Intrusion Areas Floor Elevation Levels X 3 Dinke Facilities-parks, beaches X 0 USGS [FEMA?] Rodoplains X 0 Date of building Shat have made dains Rating Schedules X 0 Date for building that have made dains Date of structure was built X 2 Date of part and that was a conditions of the structure was built X 0 Date of structure was built X 0 Date of structure was built X 2 Commercial Buildings X 0 Commercial Buildings X 0 Senior Housing X 1 Dept of Ag, Ed Ratledge-UD, DEDO, Conservation districts Productive Dept of Ag, Ed Ratledge-UD, DEDO, Conservation districts Productive Dept of Ag, Ed Ratledge-UD, DEDO, Conservation districts Productive Dept of Ag, Ed Ratledge-UD, DEDO, Conservation districts Productive Dept of Ag, Ed Ratledge-UD, DEDO, Conservation districts Productive Dept of Ag, Ed Ratledge-UD, DEDO, Conservation districts Productive			-					
Annual Payroll by Sector X 3 3 Annual Sales X X 3 3 Receipts X X 3 3 Shipments by Sector X X 3 3 Shipments by Sector X X 3 3 Shipments by Sector X X 3 3 Building Forperties X X 3 3 Developed and non-developable X X 3 3 Comparison Comparison X X X 1 1 Developed And Non-developable X X X 2 2 Developed And Non-developable X X X X 2 2 Developed And Non-developable X X X X X X X X X X X X X X X X X X X								
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Shipments by Sector								
O Rental Properties								
Building Footprints			Rental Properties				3	
Residential Homes Built and not built areas Developed and non-deveolopable Impermiable Surfaces X X Water Franchises X Dependence of the surface of		,						
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Developed and non-developable Impermiable Surfaces Water Franchises X X Developed and non-developable Water Franchises X Developable Special Overlay Zones X Developable Saltwater Intrusion Areas Saltwater Intrusion Areas X Saltwater Intrusion Areas X Saltwater Intrusion Levels X Developable Developable X Developable X		0			Х			
Water Franchises X 0 0 Special Overlay Zones X 0 0 Current Inundation Areas X 1 1 Saltwater Intrusion Areas X 3 3 Floor Elevation Levels X 3 3 DNREC Facilities-parks, beaches X X 2 2 USGS [FEMA??] floodplains X 0 0 Maps where insurance is available X 0 0 Recurring Damage Claims X 0 0 Rating Schedules X 0 0 Data for buildings that have made claims X 0 0 Claims Y 0 0 Date structure was built X 2 0 Date structure was built X 2 2 Date Affordable Housing Commercial Buildings X 2 2 Date Structure was built X 3 3 Date Structure was built X 3 2 Date Structure was built X 3 3 Date Structure buildings X 3 3 Date Structure buildings X 4 3 Date Structure buildings A 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4		0				X		
Current Inundation Areas X 1 Saltwater Intrusion Areas X 3 Floor Elevation Levels X 3 DNREC Facilities-parks, beaches X X 2 USGS [FEMA??] floodplains X 0 Maps where insurance is available X 0 Recurring Damage Claims X 0 Rating Schedules X 0 Data for buildings that have made claims X 0 Claims X 0 Pre-FIRM" maps X 0 Date structure was built X 2 Date structure was built X 3 Date structure was		_	•					
Saltwater Intrusion Areas X 3 3								
Floor Elevation Levels X X 3 DNREC Facilities-parks, beaches X X X 2 USGS [FEMA??] floodplains X 0 Maps where insurance is available X 0 Recurring Damage Claims X 0 Rating Schedules X 0 Data for buildings that have made claims X 0 Data for buildings that have made claims X 0 Date structure was built X 0 Date structure was built X 2 Date structure was built X 2 One Commercial Buildings X 2 Water Dependent Businesses X 3 Employment, revenue, tax X 3 Affordable Housing communities X 0 Senior Housing X 0 Senior Housing X 1 Senior Housing X 1 Senior Housing X 1 Dept of Ag, Ed Ratledge-UD, DEDO, Conservation districts Productive								
USGS [FEMA??] floodplains Maps where insurance is available Recurring Damage Claims Rating Schedules Data for buildings that have made claims Pre-FIRM" maps Date structure was built Tax Assessment Data 911 addressing Commercial Buildings Water Dependent Businesses Employment, revenue, tax Affordable Housing communities Senior Housing Zip Codes Ag Data - acreage and crop/animal Dept of Ag, Ed Ratledge-UD, DEDO, Conservation districts Productive								
Maps where insurance is available Recurring Damage Claims Rating Schedules Data for buildings that have made claims VX O Data for buildings that have made claims VX O VPRE-FIRM" maps VX O Date structure was built VX D Tax Assessment Data VX O Senior Housing VX				Х				
Maps where insurance is available Recurring Damage Claims X Data for buildings that have made claims "Pre-FIRM" maps Date structure was built Tax Assessment Data Structure was built Commercial Buildings Water Dependent Businesses Employment, revenue, tax Affordable Housing communities X Description Senior Housing Zip Codes X Dept of Ag, Ed Ratledge-UD, DEDO, Conservation districts Productive Description Dept of Ag, Ed Ratledge-UD, DEDO, Conservation districts Productive			USGS [FEMA??] floodplains					
Rating Schedules X 0 Data for buildings that have made claims X 0 "Pre-FIRM" maps X 0 Date structure was built X 2 Tax Assessment Data X 2 Ostaines X 2 Ostaines X 2 Ostaines X 2 Ostaines X 3 Ostaines X 4 Ostaines			Maps where insurance is available		Х		0	
Data for buildings that have made claims Pre-FIRM" maps Date structure was built Tax Assessment Data Signature of the structure was built Tax Assessment Data Signature of the structure was built Tax Assessment Data Signature of the structure was built Tax Assessment Data Signature of the structure was built Tax Assessment Data Signature of the structure was built Tax Assessment Data Signature of the structure was built Tax Assessment Data Signature of the structure was built Tax Assessment Data Signature of the structure was built Tax Assessment Data Signature of the structure was built Tax Assessment Data Signature of the structure of the str								
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Date structure was built Tax Assessment Data On 11 addressing Commercial Buildings Water Dependent Businesses Employment, revenue, tax Affordable Housing communities Senior Housing Senior Housing Zip Codes Ag Data - acreage and crop/animal Dept of Ag, Ed Ratledge-UD, DEDO, Conservation districts Productive					Х		0	
Tax Assessment Data X 2 911 addressing X 2 Commercial Buildings X 2 Water Dependent Businesses X 3 Employment, revenue, tax X 3 Affordable Housing communities X 0 Senior Housing Zip Codes X 1 Dept of Ag, Ed Ratledge-UD, DEDO, Conservation districts Productive								
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Water Dependent Businesses X 3 Employment, revenue, tax X 3 Affordable Housing communities X 0 Senior Housing X 0 Zip Codes X 1 Ag Data - acreage and crop/animal Dept of Ag, Ed Ratledge-UD, DEDO, Conservation districts Productive		0			Х			
Employment, revenue, tax X 3 Affordable Housing communities X 0 Senior Housing X 0 Zip Codes X 1 Ag Data - acreage and crop/animal Dept of Ag, Ed Ratledge-UD, DEDO, Conservation districts Productive		-						
Affordable Housing communities X 0 Senior Housing X 0 Zip Codes X 1 Ag Data - acreage and crop/animal Dept of Ag, Ed Ratledge-UD, DEDO, Conservation districts Productive								
Senior Housing X 0 Zip Codes X 1 Ag Data - acreage and crop/animal Dept of Ag, Ed Ratledge-UD, DEDO, Conservation districts Productiv								
Zip Codes X 1 Ag Data - acreage and crop/animal Dept of Ag, Ed Ratledge-UD, DEDO, Conservation districts Productiv			Senior Housing					
Ag Data - acreage and crop/animal Dept of Ag, Ed Ratledge-UD, DEDO, Conservation districts Productive								
types and economic impact X 1 Soils data from USDA			Ag Data - acreage and crop/animal					Dept of Ag, Ed Ratledge-UD, DEDO, Conservation districts Productive
								Solis data from USDA
Ag facilities/infrastructure X 0 Manure Sheds X 0								

Asset Inventory Complete	Layer	Infra- structure Group	Society and Economy	Natural Resources	Data Status	Agency Data Source
0	Buffer Regs		Х		0	
0	Tax Ditches		Х		2	
0	Irrigation systems/shallow wells		х		0	

Natural Resource	Asset Inventory Complete	Layer	Infra- structure Group	Society and Economy	Natural Resources	Data Status	Agency Data Source
Analysis These GIS layers will be	•	Agland Preservation/Easements		X	Х	1	Del. Dept. of Agriculture
used to assess the	Ť	Wetlands		^	X	1	DNREC-Watershed stewardship
exposure of natural		Endangered or Threatened Species			^	1	DNREC-Natural Heritage and Endangered Species Program
resources and	0	Habitats			Х	1	
environmentally sesitive	0	State Protected Areas			X	1	DNREC mapservice
areas to sea level rise.	•	Recharge Areas			X	1	DNREC mapservice
	•	State Planning Investment Layers		х	х	1	Office of State Planning Coordination
	•	Wellhead Protection Areas			Х	1	J:\GISData\SWAPAreas
	0	Wildlands			Х	1	DNREC network shares
	0	Statewide vegetation			Х	1	DNREC-Natural Heritage and Endangered Species Program
		Historic and Cultural resources			X	1	DNREC network shares
		Natural Areas			Х	1	DNREC network shares
		Key_wildlife_habitats			Х	1	DNREC network shares
	•	Nature_Preserves			Х	1	DNREC network shares
	0	Salt Line/Salt water intrusion		Χ	X	3	
	0	Coastal Impoundments			Х	1	DNREC network shares
	•	Septic Systems			Х	1	
	0	Depth to Water Table			Х	0	
	0	Stormwater Management Strucutures			x	0	
	0	Public Access Sites (ORI2009)			Х	1	DNREC network shares
	•	Conservation Easements			Х	1	
	0	Turbidity, nutrient changes, salinity			Х	3	
	0	Head of tide			X	3	
	0	Increased Extent of storm surges and habitat changes			Х	3	
	0	Fisheries info, EFH, nursery habitat			х	0	
	0	Shellfish maps			Х	0	
	0	Freshwater mussels			X	0	
	\circ	Site Specific species migration studies			х	3	
	0	Map physical barriers to wetland migration			Х	3	
	0	Marsh Vulnerability Index			Х	3	
ļ	0	Model marsh response to SLR			Х	3	
	0	Wetland to Forest migration maps from TNC			х	3	
	0	Economic Value of hunting and fishing			Х	3	
Commence							
Summary Info		Total Data Lavors	141				
		Total Data Layers	141				
	_	Data Layers Applyand	66				
		Data Layers Analyzed	50				
		Data Layers Pending	13				
		Data Layers Not Collected	36				
		Larger research needed	26				